Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/05/2019 10:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122791	-2	2.27	122749	2.33
Blue	F	SSC	125000	122431	-3	3.84	123228	3.90
Blue	E	FITC	16694	16418	-2	3.94	381	22.90
Blue	D	PE	32792	32187	-2	3.28	710	16.61
Blue	B	PerCP-Cy5-5	44451	43793	-2	4.93	1201	23.47
Blue	A	PE-Cy7	33645	33660	0	7.18	614	48.71
Red	C	APC	47008	46736	-1	3.08	1805	13.85
Red	A	APC-Cy7	32298	31491	-3	2.96	787	14.39
Violet	B	V450	8961	8586	-5	4.76	482	16.14
Violet	A	V500	32726	31270	-5	4.42	753	13.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19836	3.80	608	-5	N/A	N/A	Pass
Blue	F	SSC	55178	3.35	579	11	N/A	N/A	Pass
Blue	E	FITC	61	84.72	567	4	0.0157	338	Pass
Blue	D	PE	141	58.69	571	5	0.1299	305	Pass
Blue	B	PerCP-Cy5-5	221	60.29	675	4	0.0073	140	Pass
Blue	A	PE-Cy7	116	129.49	731	5	0.0089	42	Pass
Red	C	APC	411	29.74	618	5	0.0178	129	Pass
Red	A	APC-Cy7	194	32.43	588	3	0.0044	1019	Pass
Violet	B	V450	72	80.87	483	-3	0.0387	3062	Pass
Violet	A	V500	107	54.46	493	-3	0.0162	2597	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-32.24	1.09
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.33	13.60 - 20.40	N/A	N/A	29.55	29.83	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9883

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments